OIPE IAP62
DEC 19 2005
PATENT & TRADEMARK OFFICE

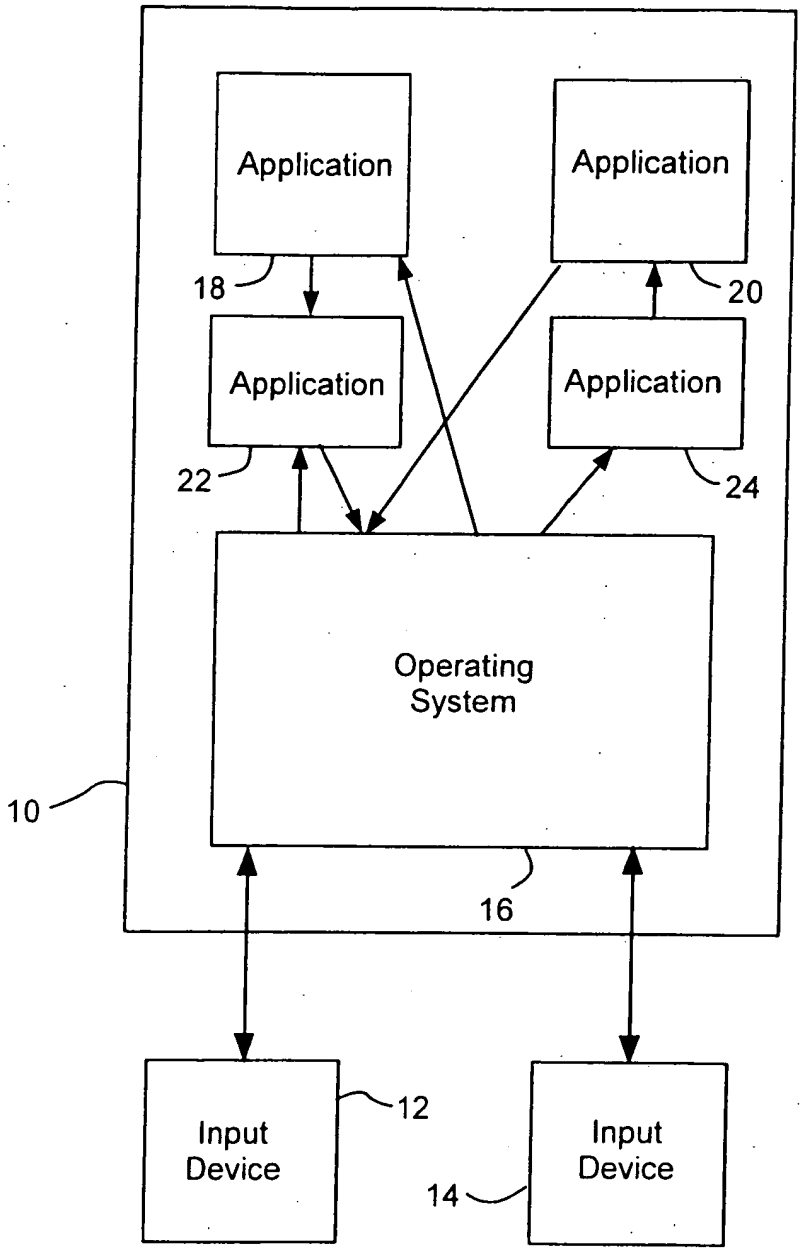

Fig.1

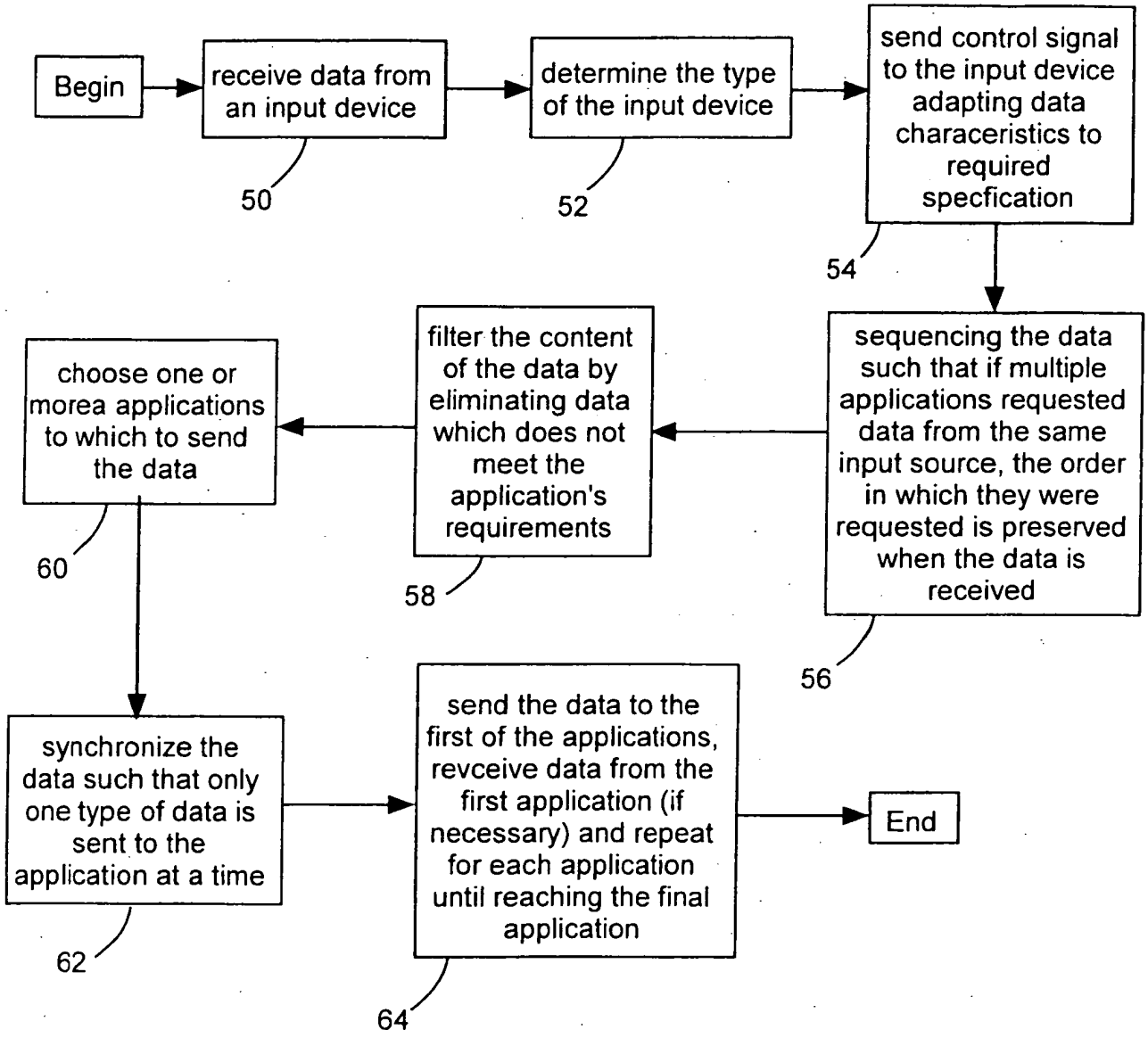
Begin
receive data from an input device
50
determine the type of the input device
52
send control signal to the input device adapting data characeristics to required specfication
54
sequencing the data such that if multiple applications requested data from the same input source, the order in which they were requested is preserved when the data is received
56
filter the content of the data by eliminating data which does not meet the application's requirements
58
choose one or morea applications to which to send the data
60
synchronize the data such that only one type of data is sent to the application at a time
62
send the data to the first of the applications, revceive data from the first application (if necessary) and repeat for each application until reaching the final application
64
End

Fig.2

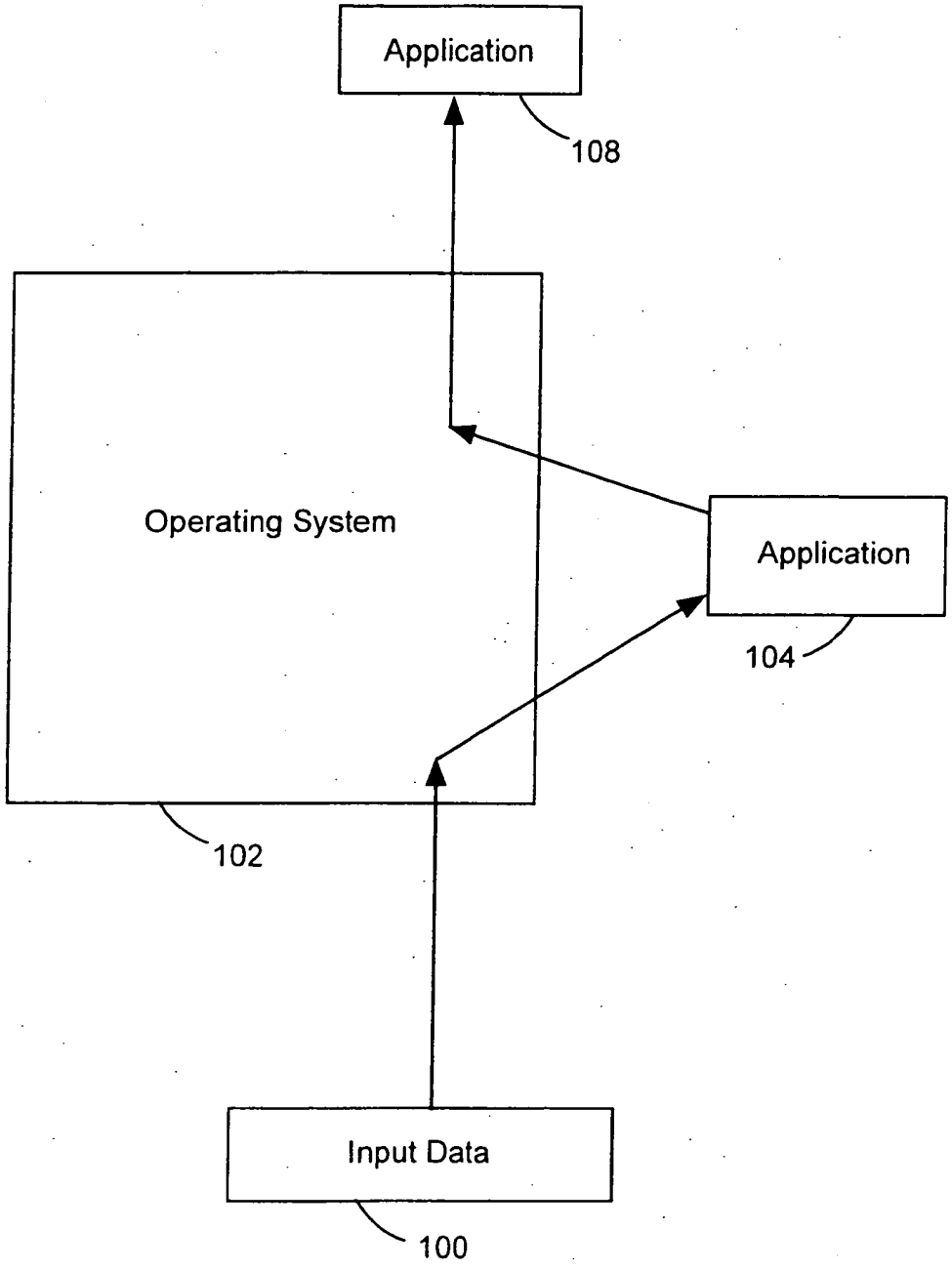
Application
108
Operating System
Application
104
102
Input Data
100

Fig.3

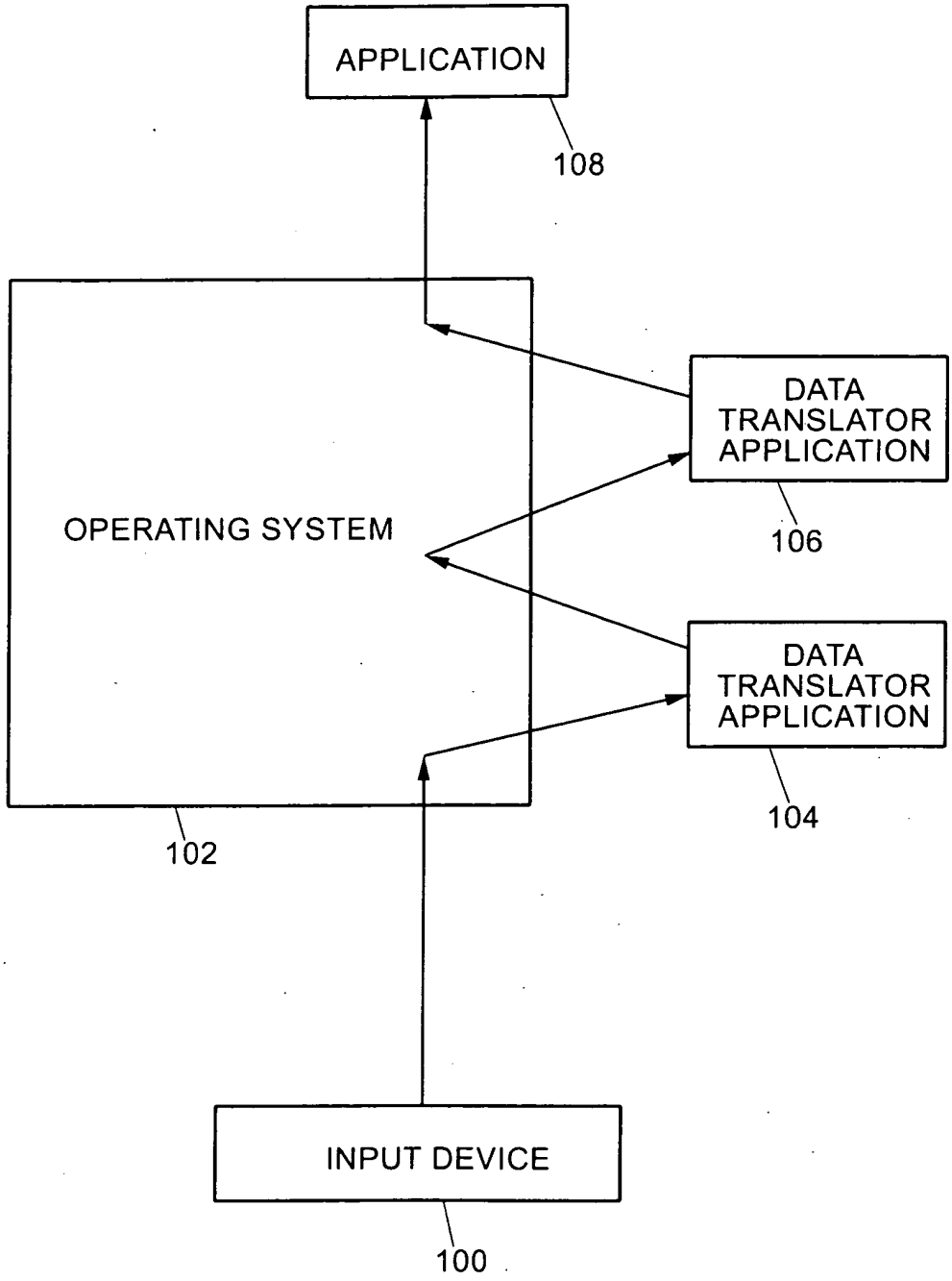
APPLICATION
108
OPERATING SYSTEM
DATA TRANSLATOR APPLICATION
106
DATA TRANSLATOR APPLICATION
104
102
INPUT DEVICE
100

FIG. 4

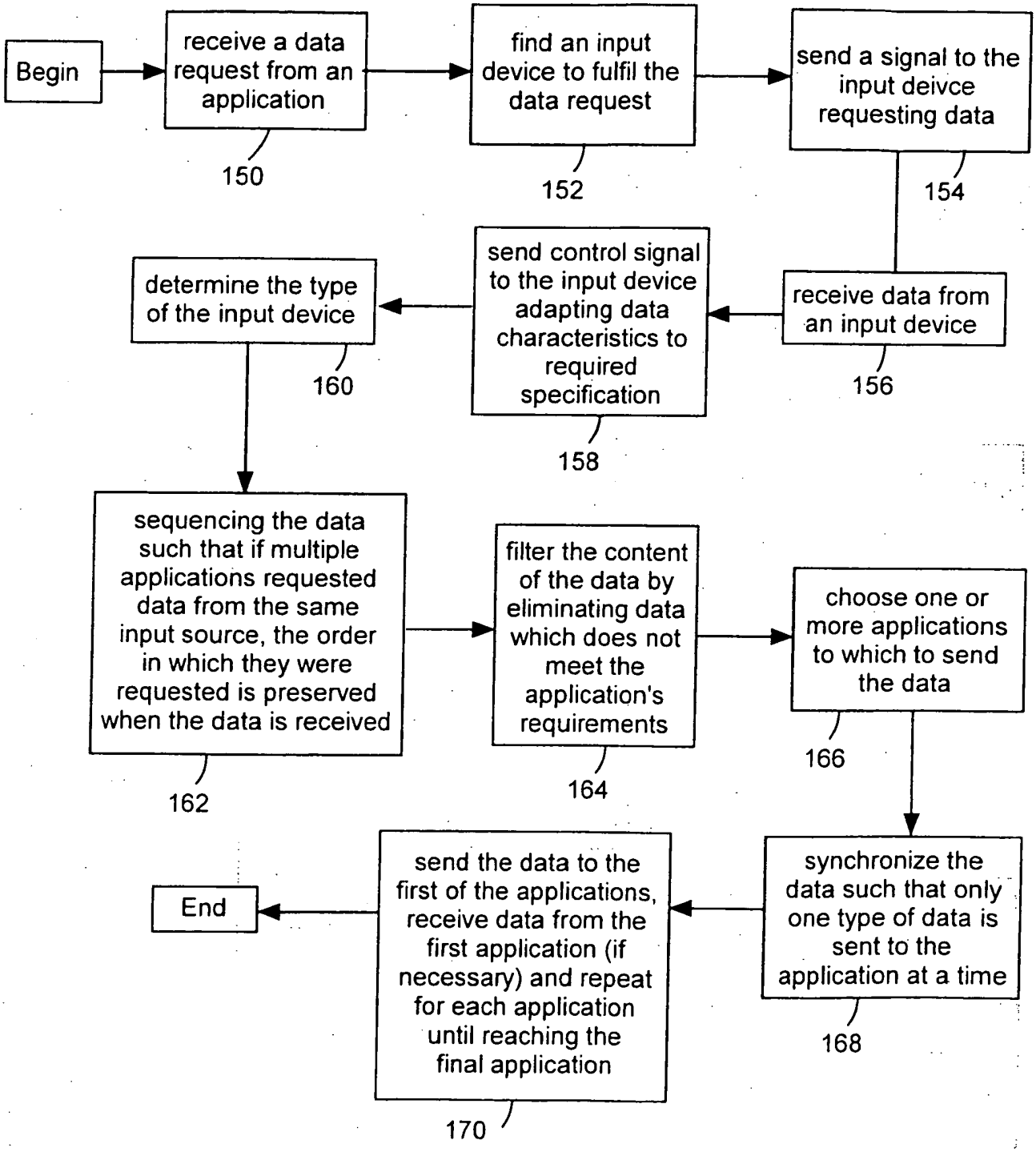
Begin
receive a data request from an application
150
find an input device to fulfil the data request
152
send a signal to the input deivce requesting data
154
receive data from an input device
156
send control signal to the input device adapting data characteristics to required specification
158
determine the type of the input device
160
sequencing the data such that if multiple applications requested data from the same input source, the order in which they were requested is preserved when the data is received
162
filter the content of the data by eliminating data which does not meet the application's requirements
164
choose one or more applications to which to send the data
166
synchronize the data such that only one type of data is sent to the application at a time
168
send the data to the first of the applications, receive data from the first application (if necessary) and repeat for each application until reaching the final application
170
End

Fig.5

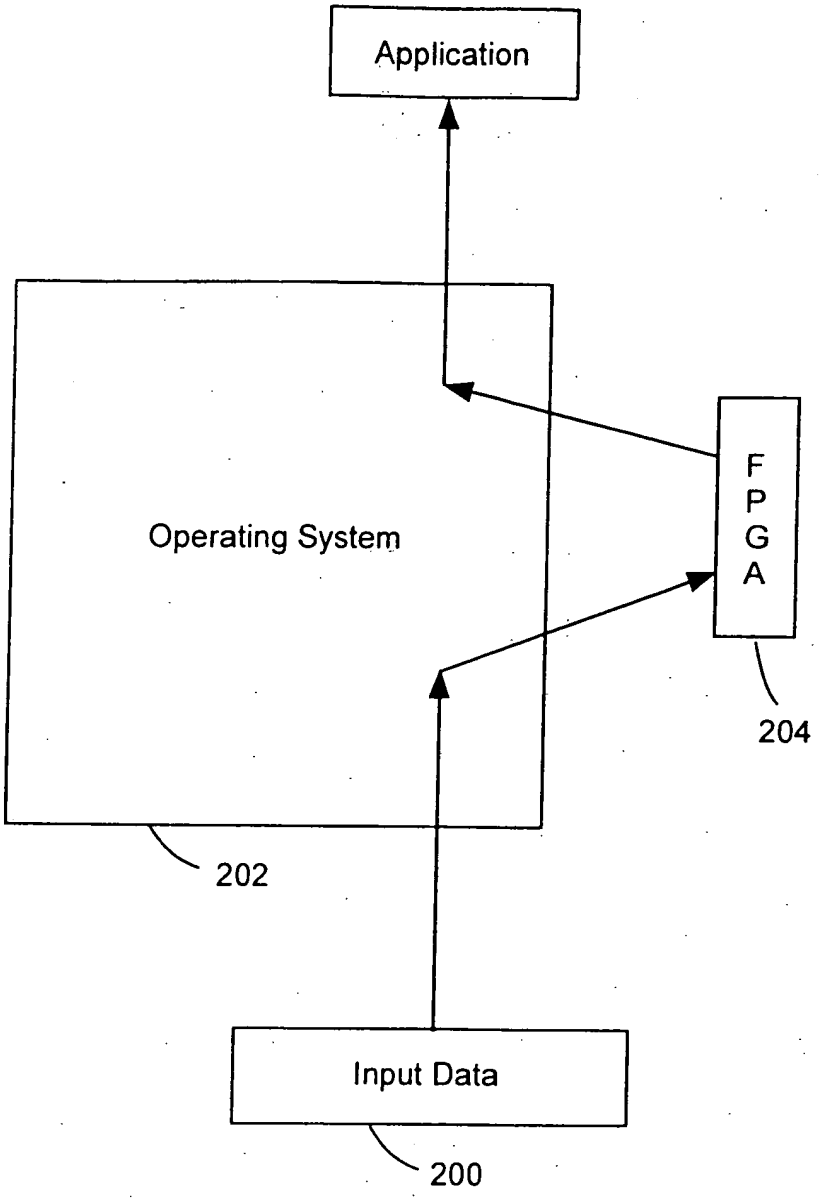

Fig.6

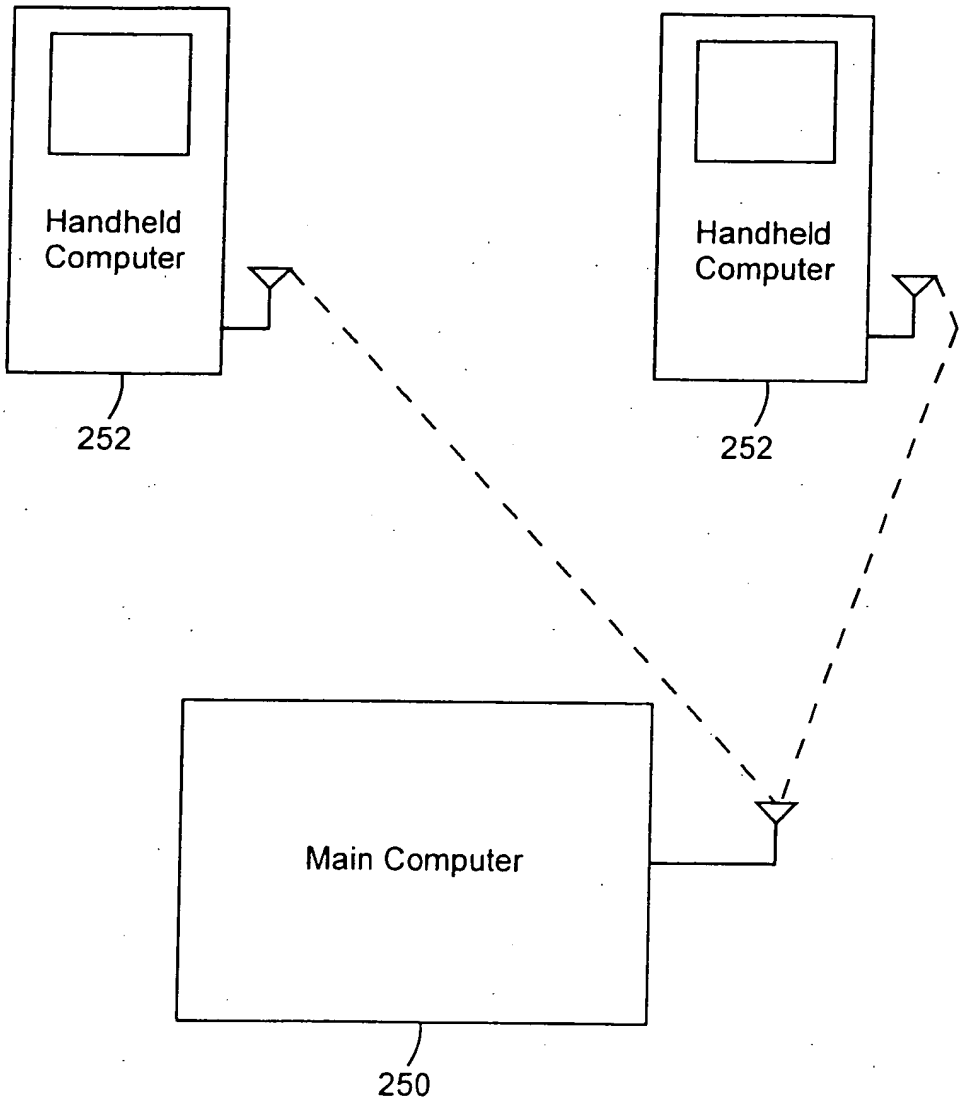
Handheld Computer
252
Handheld Computer
252
Main Computer
250

Fig.7